

We Claim:

1. A library of polynucleotides, the library comprising the sequence information of at least one of SEQ ID NOS:1-1079.

2. The library of claim 1, wherein the library is provided on a nucleic acid array.

3. The library of claim 1, wherein the library is provided in a computer-readable format.

4. The library of claim 1, wherein the library comprises a polynucleotide corresponding to a gene differentially expressed in cell of high metastatic potential relative to a control cell, wherein the control cell is a normal cell or a cell of low metastatic potential, and wherein the sequence is selected from the group consisting of SEQ ID NOS:350, 571, 781, 778, 756, 779, 691, 686, 916, and 969.

5. The library of claim 1, wherein the library comprises a polynucleotide corresponding to a gene differentially expressed in a cancer cell of low metastatic potential relative to a control cell, wherein the control cell is a normal cell or a cell of high metastatic potential, and wherein the sequence is selected from the group consisting of SEQ ID NOS:34, 57, 103, 110, 113, 189, 214, 359, 521, 532, 533, 536, 547, 549, 554, 555, 558, 561, 562, 572, 582, 584, 587, 589, 590, 591, 592, 599, 603, 607, 609, 623, 624, 635, 636, 637, 641, 646, 647, 648, 650, 653, 654, 656, 657, and 661.

6. An isolated polynucleotide comprising a nucleotide sequence having at least 90% sequence identity to an identifying sequence of SEQ ID NOS:1-1079 or a degenerate variant or fragment thereof.

7. A recombinant host cell containing the polynucleotide of claim 6.

8. An isolated polypeptide encoded by the polynucleotide of claim 6.

9. An antibody that specifically binds a polypeptide of claim 8.

10. A vector comprising the polynucleotide of claim 6.

11. A polynucleotide comprising the nucleotide sequence of an insert contained in a clone deposited as ATCC accession number xx, or xx.

12. A method of detecting differentially expressed genes correlated with a cancerous state of a mammalian cell, the method comprising the step of:

detecting at least one differentially expressed gene product in a test sample derived from a cell suspected of being cancerous, where the gene product is encoded by a gene corresponding to a sequence of at least one of SEQ ID NOS: 34, 57, 100, 103, 110, 113, 189, 209, 214, 316, 350, 359, 370, 521, 532, 533, 536, 547, 549, 554, 555, 558, 561, 562, 571, 572, 582, 584, 587, 589, 590, 591, 592, 599, 603, 607, 609, 623, 624, 635, 636, 637, 641, 645, 646, 647, 648, 650, 653, 654, 656, 657, 661, 781, 778, 756, 779, 691, 686, 854, 916, and 969;

wherein detection of the differentially expressed gene product is correlated with a cancerous state of the cell from which the test sample was derived.

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